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Revised September 1962



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

X Tables on Hatchery and Flock Participation in the
National Poultry Improvement Plan
By States and Divisions, 1960-61 and 1961-62 and
U. S. Summary, 1956-57 to date X



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HIGHLIGHTS

The total hatching egg capacity of participating hatcheries declined slightly from the 364.7 million eggs last year to 361.6 million eggs in 1961-62. In keeping with the trend of the past decade, the number of participating hatcheries declined while the average size of the hatcheries continued to increase.

The number of breeding birds in participating flocks increased slightly while the trend toward fewer and larger hatchery supply flocks continued. There was an average of 1,308 birds in each of the 28,260 flocks in 1961-62 as compared to 1,149 birds in each of 31,846 flocks in 1960-61.

For the first time in many years, there was an increase in the number of pullorum-typhoid reactors found in breeding flocks on the first blood test. This year showed .018 percent, or one reactor in every 5,454 birds tested, as compared to .013 percent, or one reactor in every 7,588 birds tested during 1960-61.

The proportion of breeding birds qualifying as U. S. Pullorum-Typhoid Clean declined from 98.1 percent last year to 96.0 percent for the year reported. However, the percentage of hatching egg capacity used for the production of U. S. Pullorum-Typhoid Clean chicks reached a new high of 95.4.

Table 1 - Hatchery Participation in the National Poultry Improvement Plan,
by States and Divisions, 1960-61 and 1961-62

State and Division	1960-61		1961-62	
	Number	Egg Capacity	Number	Egg Capacity
Maine	17	6,219,600	16	6,192,600
New Hampshire	17	3,855,000	11	2,536,000
Vermont	6	123,080	6	123,080
Massachusetts	47	3,669,503	52	3,633,095
Rhode Island	7	750,280	7	750,280
Connecticut	40	8,098,625	39	8,155,125
New York	36	4,674,172	34	4,040,580
New Jersey	46	7,841,890	37	7,186,510
Pennsylvania	76	12,960,566	69	12,485,556
NORTH ATLANTIC	292	48,192,716	271	45,102,826
Ohio	90	10,282,099	89	10,563,087
Indiana	161	21,635,000	150	20,399,000
Illinois	123	15,440,180	113	14,469,706
Michigan	49	4,104,583	49	4,045,511
Wisconsin	41	5,275,500	33	4,114,920
EAST NORTH CENTRAL	464	56,737,362	434	53,592,224
Minnesota	129	14,061,480	122	12,560,335
Iowa	93	12,004,080	79	11,293,360
Missouri	102	21,021,400	97	20,031,460
North Dakota	23	2,018,346	23	1,930,756
South Dakota	36	3,745,660	42	4,367,640
Nebraska	52	5,741,699	51	5,703,291
Kansas	69	5,360,147	63	4,835,490
WEST NORTH CENTRAL	504	63,952,812	477	60,722,332
Delaware	16	8,904,000	19	9,737,104
Maryland	31	16,089,000	28	15,451,000
Virginia	47	11,647,426	45	13,258,370
West Virginia	11	1,763,040	9	1,576,000
North Carolina	116	23,927,702	108	24,750,964
South Carolina	19	3,465,300	18	3,506,300
Georgia	147	41,325,704	157	47,010,452
Florida	36	5,307,560	37	5,584,140
SOUTH ATLANTIC	423	112,429,732	421	120,874,330
Kentucky	38	4,144,560	32	3,440,000
Tennessee	27	3,926,400	29	3,549,740
Alabama	55	16,236,242	43	12,577,890
Mississippi	49	15,063,314	53	17,471,901
Arkansas	51	15,439,094	55	17,280,554
Louisiana	7	1,072,000	7	1,042,000
Oklahoma	30	4,637,960	30	4,637,960
Texas	25	4,440,400	19	3,586,000
SOUTH CENTRAL	282	64,959,970	268	63,586,045
Montana	13	943,300	13	943,300
Idaho	15	890,150	12	772,220
Wyoming	2	95,000	2	95,000
Colorado	9	875,000	9	1,076,000
New Mexico	1	50,000	1	50,000
Arizona	5	398,000	5	359,000
Utah	7	762,000	8	822,000
Washington	28	4,148,517	27	4,060,880
Oregon	27	3,883,000	25	3,853,000
California	26	6,434,442	24	5,715,028
WESTERN	133	18,479,409	126	17,746,428
UNITED STATES	2,098	364,752,001	1,997	361,624,185

Table 2 - Flock Participation in the National Poultry Improvement Plan,
by States and Divisions, 1960-61 and 1961-62

State and Division	1960-61			1961-62		
	Flocks	Birds	Avg. Birds per flock	Flocks	Birds	Avg. Birds per flock
Maine	408	1,781,305	4,366	326	1,644,983	5,046
New Hampshire	134	609,858	4,551	204	442,184	2,168
Vermont	44	129,982	2,954	84	129,536	1,542
Massachusetts	240	501,988	2,092	148	552,358	3,732
Rhode Island	31	64,464	2,079	34	53,854	1,584
Connecticut	79	465,284	5,890	171	440,076	2,574
New York	123	388,550	3,159	118	426,386	3,613
New Jersey	140	445,334	3,181	120	356,472	2,971
Pennsylvania	891	1,425,580	1,600	732	1,390,861	1,900
NORTH ATLANTIC	2,090	5,812,345	2,781	1,937	5,436,710	2,807
Ohio	1,560	695,615	446	1,452	683,230	471
Indiana	3,736	2,105,221	563	2,992	1,829,526	611
Illinois	2,274	984,846	433	2,096	910,923	435
Michigan	324	267,166	825	266	248,923	936
Wisconsin	634	356,586	562	514	310,520	604
EAST NORTH CENTRAL	8,528	4,409,434	517	7,320	3,983,122	544
Minnesota	1,407	1,221,515	868	1,229	1,192,166	970
Iowa	2,288	1,234,174	539	1,734	1,001,033	577
Missouri	5,261	1,893,096	360	4,807	1,824,622	380
North Dakota	371	110,956	299	339	105,226	310
South Dakota	464	239,910	517	413	212,250	514
Nebraska	751	349,571	465	660	332,692	504
Kansas	839	316,648	377	710	332,845	469
WEST NORTH CENTRAL	11,381	5,365,870	471	9,892	5,000,834	506
Delaware	244	505,576	2,072	253	619,424	2,448
Maryland	348	270,579	778	320	374,367	1,170
Virginia	865	1,095,717	1,267	787	1,088,568	1,383
West Virginia	329	87,184	265	226	70,316	311
North Carolina	1,890	4,140,010	2,190	1,773	4,370,961	2,465
South Carolina	218	458,887	2,105	154	331,414	2,152
Georgia	1,134	5,310,293	4,683	1,227	5,896,161	4,805
Florida	64	255,593	3,994	56	109,996	1,964
SOUTH ATLANTIC	5,092	12,123,839	2,381	4,796	12,861,207	2,682
Kentucky	890	249,516	280	622	190,481	306
Tennessee	372	361,463	972	393	363,038	924
Alabama	552	2,056,756	3,726	536	2,230,191	4,161
Mississippi	429	1,523,996	3,552	498	1,741,044	3,496
Arkansas	836	1,908,376	2,283	809	2,355,772	2,912
Louisiana	98	379,368	3,871	52	319,323	6,141
Oklahoma	510	179,256	351	479	192,549	402
Texas	186	437,349	2,351	127	407,905	3,212
SOUTH CENTRAL	3,873	7,096,080	1,832	3,516	7,800,303	2,219
Montana	78	58,499	750	78	58,231	747
Idaho	76	70,428	927	73	62,519	856
Wyoming	12	3,348	279	14	2,574	184
Colorado	96	27,904	291	110	53,703	488
New Mexico	--	---	--	--	---	--
Arizona	6	23,813	3,969	5	28,952	5,790
Utah	43	64,146	1,492	39	60,347	1,547
Washington	177	415,083	2,345	160	449,912	2,812
Oregon	280	352,470	1,259	262	312,034	1,191
California	114	776,668	6,813	99	879,276	8,882
WESTERN	882	1,792,359	2,032	840	1,907,548	2,271
UNITED STATES	31,846	36,599,927	1,149	28,301	36,989,724	1,303

Table 3 - Summary of Hatchery Participation in the National Poultry Improvement Plan,
1956-57 to 1961-62, inclusive

		1956-57	1957-58	1958-59	1959-60	1960-61	1961-62
Number Hatcheries		2,991	2,726	2,717	2,280	2,098	1,997
Hatching Egg Capacity		383,805,716	388,651,454	401,639,041	375,589,704	364,752,001	361,624,185
Percent Increase or Decrease	No.	-5.26	-8.85	-0.33	-16.1	-7.98	-4.81
	Cap.	+3.94	+1.3	+3.34	-6.5	-2.88	-0.86
Avg. Cap. per hatchery		128,320	142,572	147,824	164,732	173,857	181,084
A.M.S. ¹ Hatchery Estimate	No.	5,045		4,257		3,513	
	Cap.	528,563,000		530,057,000		508,500,000	
Percent of A.M.S. Estimate Participating	No.	59.3		63.8		59.7	
	Cap.	72.6		75.8		71.7	
U. S. Approved and Certified 1/	No.	2,702	2,451	2,360	2,092	1,938	1,823
	Cap.	353,920,728	355,969,094	368,530,358	347,807,969	338,282,747	336,220,227
Pullorum Classes Only (no breeding stage) 2/	No.	289	275	357	188	160	174
	Cap.	29,884,988	32,682,360	33,108,683	27,781,735	26,469,254	25,403,958
U. S. Pullorum-Typhoid Passed 3/	No.	401	294	227	122	81	81
	Cap.	51,145,814	41,533,422	31,160,402	23,894,478	17,868,952	16,784,270
U. S. Pullorum-Typhoid Clean 4/	No.	2,590	2,432	2,490	2,158	2,017	1,916
	Cap.	332,659,902	347,118,032	370,478,639	351,695,226	346,883,049	344,839,915
		86.7	89.3	92.2	93.6	95.1	95.4

1/ Produced U. S. Approved and/or U. S. Certified chicks.

2/ Produced no U. S. Approved or U. S. Certified chicks.

3/ Produced U. S. Pullorum-Typhoid Passed chicks.

4/ Produced U. S. Pullorum-Typhoid Clean chicks.

Table 4 - Summary of Flock Participation in the National Poultry Improvement Plan,
1956-57 to 1961-62, inclusive

		1956-57	1957-58	1958-59	1959-60	1960-61	1961-62
Number Flocks		67,457	51,207	50,333	36,838	31,846	28,301
Number Birds		39,171,386	35,879,800	39,936,492	36,100,789	36,599,927	36,989,724
Percent Increase or Decrease	Flocks	-1.97	-24.1	-1.7	-26.8	-13.6	-11.1
	Birds	+12.4	-8.4	+11.3	-9.6	+1.4	+1.0
Avg. No. Birds per Flock		581	701	793	980	1,149	1,307
U. S. Approved	Flocks	63,905	48,335	47,436	35,104	30,506	26,724
	Birds	34,655,745	31,169,722	35,421,250	32,472,541	33,121,994	32,831,026
	Per.	88.47	87.0	88.7	90.0	90.5	88.8
U. S. Certified	Flocks	2,483	1,213	1,098	641	354	490
	Birds	1,280,651	1,004,485	956,931	628,572	556,065	1,157,355
	Per.	3.27	3.0	2.4	1.7	1.5	3.1
Pullorum Classes Only (no breeding stage)	Flocks	1,069	1,659	1,799	1,093	986	1,087
	Birds	3,234,990	3,705,593	3,558,311	2,999,676	2,921,868	3,001,343
	Per.	8.26	10.0	8.9	8.3	8.0	8.1
U. S. Pullorum-Typhoid Passed	Flocks	4,755	3,208	2,727	1,198	361	430
	Birds	1,816,697	1,713,392	1,758,961	1,170,178	707,028	1,473,480
	Per.	4.64	5.0	4.4	3.2	1.9	4.0
U. S. Pullorum-Typhoid Clean	Flocks	62,702	47,999	47,606	35,640	31,485	27,871
	Birds	37,354,689	34,166,408	38,177,531	34,930,611	35,892,899	35,516,244
	Per.	95.36	95.0	95.6	96.8	98.1	96.0
FIRST TEST	No. Flocks	67,941	52,516	50,832	37,857	33,334	28,869
	No. Birds	40,614,440	36,756,760	40,716,266	37,030,568	37,124,938	37,926,346
	No. Reactors	18,369	11,423	9,920	6,812	4,892	6,950
	Percent Reactors	.045	.03	.024	.018	.013	.018

Information in this report was compiled by the Animal Husbandry Research Division,
Agricultural Research Service.